

AMENDMENT NO. 1 JULY 2020

TO

**IS 12045 : 1987 SPECIFICATION FOR ALLOYS
USED IN ELECTRICAL RESISTANCE METALLIC
HEATING ELEMENTS**

(Page 1, clause 2) — Insert the following new clause after clause 1.2 and renumber the subsequent clauses.

‘2 REFERENCES

The following Indian Standards contain provisions, which through reference in this text, constitute provisions of this standard. At the time of publication the editions indicated were valid. All standards are subject to revision, and parties to agreements based on this standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below:

<i>IS No.</i>	<i>Title</i>
1586 (Part 1) : 2018/ ISO 6508-1 : 2016	Metallic materials — Rockwell hardness test: Part 1 Test method (<i>fifth revision</i>)
1608 (Part 1) : 2018/ ISO 6892-1 : 2016	Metallic materials — Tensile testing: Part 1 Method of test at room temperature (<i>fourth revision</i>)
3635 : 1966	Methods of test for resistance of metallic electrical resistance materials
3394 : 1985	Method for accelerated life test of electrical resistance alloys for heating elements (<i>first revision</i>)’

(Page 4, clause 2.1, column 9) — Substitute ‘Mn’ for ‘Nn’ in heading.

(Page 4, clause 3.1) — Insert the following new clause after 3.1:

‘3.2 The tensile test shall be done as per IS 1608 (Part 1) and the hardness test shall be done as per IS 1586 (Part 1).’

(Page 5, clause 4.1.1, line 2) — Substitute ‘IS 3635’ for ‘IS 3635 : 1966*’.

(Page 5, clause 4.4, line 2) — Substitute ‘IS 3394’ for ‘IS 3394 : 1985†’.

(Page 5, footnotes) — Delete.

(Page 6, clause 6.2.1) — Substitute the following for the existing clause.

‘6.2.1 The product (s) conforming to the requirements of this standard may be certified as per theconformity assessment schemes under the provisions of the *Bureau of Indian Standards Act, 2016* and the Rules and Regulations framed thereunder, and the products may be marked with the Standard Mark.’